

Dr. Adrian H. Daane, head of the department of chemistry at Kansas State University was a guest at the Missouri Southern College campus recently. Shown in the accompanying photograph are Mr. Vernon Baia-monte, MSC chemistry instructor, Dr. Daane, and Dr. James Altendorf, chairman of the Science and Math department.

Dr. Adrian Daane Lectures March 5

Dr. Adrian H. Daane, head of the department of chemistry at Kansas State University, Manhattan, delivered a speech entitled "The Behavior of Matter at Low Temperatures" Wednesday night, March 5, to an audience of MSC students, faculty and invited guests.

The program opened with an informal introduction of out-of-town guests from Our Lady of the Ozarks, Carthage; and Baxter Springs High School. Following these introductions, MSC chemistry instructors and MSC students from various chemistry classes were recognized. Dr. James Altendorf, chairman of the Science and Math department, and Dr. Daane then reminisced briefly over experiences they had shared while working at the Atomic Energy Commission. Many of the friends they met there now are internationally known scientists.

Following the introductory phase of the program, Dr. Daane presented his narrative and performed several demonstrations to illustrate the effect of low temperature on various materials. One of the demonstrations was the freez-

ing of a small rubber ball which subsequently broke into minute particles like glass.

He also demonstrated the use of a soft, pliable lead solder, which, at low temperature, produces a durable spring. One of the most unusual demonstrations showed the process of lowering pressure on liquid air until it was converted into its solid state.

Reference also was made to the contemporary controversial topic of "freezing human bodies" for later revitalization and subsequent cure of fatal diseases. Dr. Daane expressed the belief that these experimentations were, at present, far from feasible.

However, he did mention several interesting projects along this line. One project included the freezing of gold fish in liquid air, introducing the subject into a normal water environment with subsequent viability. While a number of such experiments were successful, Dr. Daane commented that his experiments have yielded only about a 50 per cent survival rate.

Another subject discussed was the use of liquid air to

(Continued on Page 3)

Exhibits Feature Modern Works

Two contemporary shows, "Mid-America I Traveling Exhibit" and "Forms in Transparency," now are on exhibit in the Spiva Art Center. The show will run through April 4.

The Mid-America exhibit is the first exhibit of its kind to be shown at the local center, according to Darral Dishman, MSC instructor and director of the Center.

Twenty-eight works are included in the exhibit which contains paintings, prints, transparencies, drawings and other art media. This competitive exhibit toured eight midwest states under the auspices of the Rockhill-Nelson Gallery, Kansas City, Missouri. The works are by well-known Missouri painters, including Dole Reed.

"Forms in Transparency,"

a plexiglas sculpture exhibit by Philip Van Voost, is the second shown on display. Van Voost, born in Amsterdam, Holland, came to this country after his initial training in commercial art. He earned his B.A. degree in design from Southwest Missouri State College, Springfield, and his master's degree in fine arts with concentration in sculpture from the University of Kansas at Lawrence.

Van Voost has designed for advertising agencies both in Holland and in this country. He is now assistant professor of art at Metropolitan State College, Denver, Colorado, and conducts plexiglas workshops. He now is assistant professor called the "Art Research Center" and has had several displays throughout Canada and the United States.

The Chart

Vol. XXX

Missouri Southern College, Joplin, Missouri, March 14, 1969

No. 13

Reporter Pauline Frederick Speaks To Large Crowd

A large crowd of students, faculty members and area residents Wednesday heard Pauline Frederick speak on the problems of the United Nations, American involvement in Viet Nam, and the dangers of increasing world armaments. The second convocations program this year was held in the Missouri Southern gymnasium.

Miss Frederick, NBC news correspondent to the U. N.,

L. A. Editor Will Present Convocation

Ed Guthman, national editor for the Los Angeles Times, will speak to the MSC student body, 11 p.m., April 16. Guthman will end the convocations series for the year.

Guthman is scheduled to fill the vacancy in the series caused by the cancellation of Andreas Papandreu December 13. Papandreu, son of the former Greek premier, George Papandreu, was forced to by-pass Joplin due to bad weather.

Guthman is a nationally known newsman. He won the Pulitzer Prize for national reporting in 1950.

From 1961 to 1965 Guthman served as special assistant for public information in Washington and as aide to the late Senator Robert Kennedy. Guthman is currently co-authoring a book about the late senator.

Spring Break Begins Mar. 22

Spring vacation will begin after classes next Friday, March 21. The break will run through March 30 with classes to reconvene March 31.

The week vacation was added to the College calendar after the catalog had been published. Semester break and Easter vacation were shortened to accommodate the additional vacation. There will be no Easter break this year.

The spring break was a goal in last spring's elections and a petition was raised by students.

The insertion of the break into the schedule changed some dates in the calendar. The final day to drop classes without an F-grade will be April 18. Final exams will be held May 23, 26, 27 and 28. Commencement will be June 1.

was introduced by Dr. Edward Phinney, Dean of the College.

As she opened the speech, Miss Frederick noted the recent flight of Apollo 8 brought the world into a human focus. "We can see that there is only one world," she emphasized. "We are all brothers."

The speaker also told how various members of the U. N. had turned their backs to the world. Past prejudices and self-interests, she observed, had blocked real progress of peace.

She then added, "Delegates are not the authors of the views they expand. They are only the surrogates of the powers they serve."

The U.N. correspondent also referred to the U. S. involvement in Vietnam and the Russian invasion of Czechoslovakia last summer. She maintained that both the United States and the Soviet Union had violated the U.N. charter.

Miss Frederick also pointed out that the race to arms presented a threat of world destruction. She added that most of the world's major powers are increasing their budget appropriations for armaments while they are spending only a small amount for health programs.

Seniors Hold Meeting

A meeting of all seniors with 100 hours or more was held Wednesday, March 5. Several important points about graduation were discussed, including the ten-dollar graduation fee, assurance of meeting all graduation requirements in the particular fields of study, registration at Placement Office and the fitting for caps and gowns for graduation day.

The day and time for graduation practice was set at 5 p.m. May 28.

The last subject to be dis-

Following her lecture, Miss Frederick was guest of students and faculty members at a reception in the Fine Arts building. At an informal question-and-answer session, Miss Frederick answered questions from students dealing with the U.N. and world affairs.

In commenting on Red China, Miss Frederick said she believed it was "totally unrealistic" for the United States and other countries to think they could isolate Red China. She felt the real problem behind the question of admitting Red China to the U.N. was not so much whether the country should be admitted, but how the exiled Nationalist Chinese government of Formosa should be included. Nationalist China now holds a seat in the U.N. and "represents" China, although it has no voice in the Red Chinese government.

Another comment of Miss Frederick dealt with the reports from the Vietnam War. She stated that she does not believe a good deal of the information supplied by either side of the conflict. She commented that newsmen acquaintances of hers had said that the reports about North Vietnamese casualties were sometimes exaggerated to ten times the actual count.

Notice to June Graduates

All students who plan to graduate on June 1, 1969 with either a Baccalaureate or Associate Degree MUST have an application for degree on file in the Registrar's office.

Names of candidates have been posted. If your name is not on this list please check with the Registrar and/or your adviser at once.

Diplomas must be ordered within one week and unless a candidate is approved for graduation the degree cannot be issued.

The absolute deadline for filing for a degree has been extended to March 31.

Applicants who have not been measured for Cap and Gown should report to the Registrar's office at once.

The Chart

The Chart, the official student newspaper of Missouri Southern College, Joplin, Missouri, 64801, publishes 18 issues during the school year. It is a member of the Missouri College Newspaper Association.

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Fraternities, Sororities ?

Dean of women, Ann Wilson is perplexed by student body response to a topic of apparent current interest — fraternities and sororities.

Here is what causes her puzzlement:

On February 19, the Office of Student Personnel Services held a meeting for men students interested in forming fraternities at MSC. Only 21 men attended.

On February 21, the Office of Student Personnel Services held a meeting for women students interested in forming sororities at MSC. Only 26 women attended.

The questions in Dean Wilson's mind are these:

- 1) Are there a very few students who are generalizing for the entire campus?
- 2) Are there several who are interested but want someone else to organize and do all the work and then have them join?
- 3) Does there need to be an educational process to make the students on this campus realize the value of having local organizations before nationals? — E. J. M.

Sears & Roebuck Co. Sponsors Internships

Last fall, the Joplin Sears, Roebuck store started a new program in conjunction with the MSC business department. The Retail Internship program hires senior business majors at the beginning of the school term and during the nine-month internship familiarizes the student with all twelve areas of the store's operation.

The objective of Sear's program is to obtain managerial

personnel. The students work a maximum of thirty hours a week with their work-hours scheduled around class time and the hours they need for studying.

This year Jim Glens, Phil Snoddy, Tom Coop, Richard Garrett and Steve Carpender are participating. To be chosen they placed their applications with Robert Miller, who recommended them to Sears.

Seniors! Thinking of Graduate School?

Graduate schools typically require that students take the Graduate Record Examination prior to acceptance. The counseling offices have the necessary information and registration forms for this examination. Both Merrell Junkins (H-301) and Larry Karst (H-305) are available to advise and assist interested seniors

"As entrance requirements of graduate schools vary widely, seniors would be wise to consult the catalog of the college they wish to attend," Karst cautioned. Many catalogs are available at the counseling offices. Catalogs not on file will be ordered if a student requests.

PTK Plans Activities

The Eta Chi chapter of Phi Theta Kappa has several activities planned for the next few weeks.

Students who qualified for Phi Theta Kappa first semester will be initiated this Sunday afternoon at 4 p.m. in the Spiva Art Gallery. Approximately 30 persons will be initiated. Linda Colon, chapter president, will conduct the initiation.

The organization will hold a rummage sale, Friday, March 28 at the ATA Lodge Hall, 20th and Tyler in Joplin. Money from the sale will be used for the national convention.

A large delegation of Eta Chi chapter members will attend the national Phi Theta Kappa convention to be held April 13-15 at Columbia, Missouri. The local chapter plans to run a freshman for national office.

JOTS

Art lecturer Ross Taggart spoke on "Baroque Art" March 11 in the gallery of the Spiva Art Center. Taggart made a return visit to the MSC campus as he was here last year. He is senior curator in the William Rockhill Nelson Gallery of Art in Kansas City, Missouri. He is considered an outstanding authority on all phases of art, according to Darral Dishman, Spiva Art Center director.

Astrology and its effects on the earth and its inhabitants was the main topic of discussion at the ECM center February 28. The discussion covered topics from the gravitational pull of the stars to the effect of the stars on a person's future. The next discussion group will be at 6:30 p.m. tonight. The discussion, lead by John Eli and Conrad Gubera, will deal with life after death. Meetings are open to all students at no charge.

Five MSC Ciruna members attended the Midwest Model United Nations in St. Louis February 18. The MSC students included: Terry Helton, Bill Gessler, Ramona Chrisman, Pat Cox and James Peterson. Mrs. Annetta St. Clair accompanied the group. Ciruna members are now planning a candy sale to raise money for an upcoming trip to Jefferson City. In the capital city they will observe the State Legislature.

Joe Castagno from the United States Bureau of Mine, Bartlesville, Oklahoma spoke to the Missouri Southern Engineers' Club last night in the science building. He talked on the "Functions of the Bureau."

Students interested in participating in chess tournament should sign the bulletin board at the ECM student center. Dates for the tournament will be announced later.

Library hours for the spring break, March 22-31 have been announced by Elmer Rodgers, MSC librarian. The library will be open from 8 a.m. to 5 p.m. Monday through Friday. It will be closed Saturdays and Sundays.



Paula Smith and Stan Graham will star in "The Lady's Not for Burning," March 19-22, at the Barn Theatre.

'Lady's Not For Burning' To Be Elaborate Play

Costuming and set construction are nearly 90 per cent completed for what director Milton Brietzke calls the drama department's most elaborate production to date. The production "The Lady's Not for Burning," will run March 19-22 at the Barn Theatre.

The box office is now open from 1-4 p.m. each afternoon for reservations. General admission is \$1.50. Students should reserve seats with a token fee of \$1. This fee will be refunded before the play.

"The Lady's Not for Burning," written by Christopher Fry, tells the story of Thomas, a disillusioned soldier who wants no more of life. In contrast to Thomas, Jennet, the lady of the tale, desperately wants to live when she is falsely accused of witchcraft. While Thomas sees the world and life in a pessimistic state, Jennet represents life in its fullest and most vibrant sense.

Stan Graham and Paula Smith star as Thomas and Jennet.

In "The Lady's Not for Burning" Christopher Fry weaves verse and lyricism, love and hate, good and evil, and youth and age into a sophisticated comedy. This diversification is one reason why director Brietzke calls the production the most difficult show he has ever attempted. "The parts, as written by Fry, are difficult for young actors to get under, but my actors are meeting the challenge and doing a great job."

Because the play is set in the fifteenth century, the pro-

duction crew has created some of the most elaborate costumes to be seen on the MSC stage. Brietzke feels that the costumes, designed by Linda Larson, even outdo the costuming for the Shakespearian productions presented several years ago. The director says that "The Lady's Not for Burning" is even more elaborate than the department's original production of "Finian's Rainbow" that won the department its U.S.O. bid.

Gary Roney designed the set for the play and instructor Duane Hunt supervised construction. Sam Clauseen is in charge of lighting.

Besides its comedy and modern themes to a certain extent the play also has a religious message. According to Brietzke, "The play shows that we were put on this earth to do and to be. We question life around us; we question injustice and all that is despicable. Life is a wonderful thing that we are created for being and doing. Love is the answer as far as giving meaning to life." Thomas and Jennet find this love. Thomas falls in love with Jennet in spite of himself and his pessimistic outlook.

The play's subplot deals with two young lovers. Allison, just out of a convent, is chosen to marry Humphrey, the mayor's nephew. Instead she falls in love with Richard, a young counterpart of Thomas. Allison and Richard represent young love in the play while Thomas and Jennet represent full blown, sophisticated love.



Tickets for the Vanguard Theatre's production of Archibald MacLeish's "J. B." are still available from Milton W. Brietzke in the MSC Drama Department. Curtain rises at 8:00 p.m. Monday night in the Memorial High School Auditorium on this Reader's Theatre presentation which centers around J. B., a character symbolic of Job in the Bible. Tickets are 75 cents for students and \$1.25 for adults if reserved early. Tickets are 25 cents higher if purchased at the door.

Demos to Hold 'Auto Smash'

Are you tired of all those excruciating exams? Does your teacher really hate you? Do you have the over-powering urge to destroy?

If so, you may release your violent hostilities at the Young Democrats' "auto smash" March 20. You can crush the side of a car on the north parking lot from 10 a.m. to 4:30 p.m. for only a dime a strike or three swings for a quarter. Why revolt with a protest march or chew your nails? Now is your chance.

Autos are furnished by Dawson Auto Salvage and serviced by Bud England of Freeway Service Station.

Robert Merrill Presents Concert

Robert Merrill, baritone star of the Metropolitan opera, presented a Community Concert, February 28, at the Parkwood High School auditorium.

Merrill sang the majority of his selections in Italian, but ended his performance by singing in English. His rich performance drew four curtain calls from the capacity crowd. His encore selections from "Porgy and Bess" and "Fiddler on the Roof" won him a standing ovation.

Card of Thanks

I want to thank everyone for the many kindnesses shown me during my recent stay in the hospital. The cards, prayers and everything were greatly appreciated. May God bless you all.

Elvie Richardson



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Daane Speaks

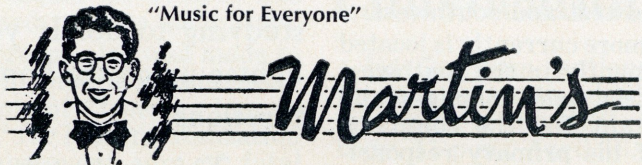
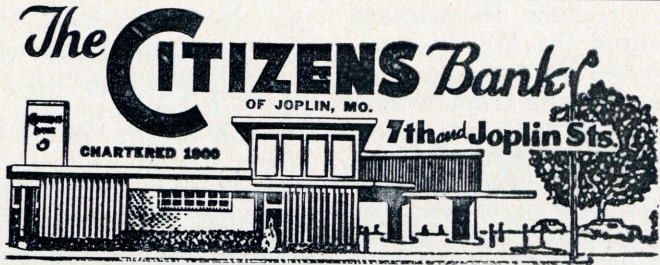
(Continued from Page 1)

freeze the seminiferous substances from prize producing bulls for later artificial insemination in an attempt to produce high-quality off-spring.

The recent Russian experiments in the preservation of semen from various human "intellectual" subjects provided another interesting topic of discussion. These experiments are being conducted with the view toward the possibility of breeding a superior race.

"Our college considers it an honor and privilege to have had the opportunity to hear the informative lecture from this distinguished man of science," commented Dr. Alten-dorf.

Dr. Daane's visit was sponsored and partially financed by the Americal Chemical Society.

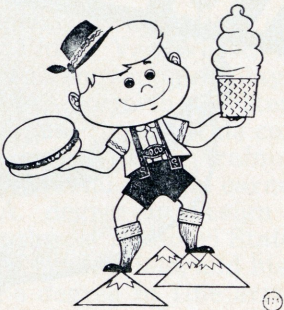


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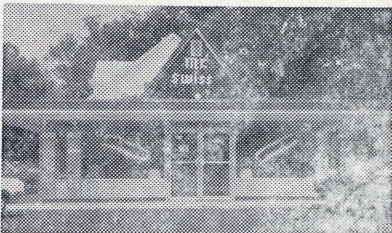


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MSC Chorale, Symphony To Present 'The Creation'

Rehearsals are now under way for the MSC Chorale-Community Symphony performance of Joseph Haydn's "The Creation," to be held at 3 p.m., April 13, at the South Junior High School auditorium.

"The Creation," an oratorio written in 1798, is generally considered to be second only to Handel's "Messiah" in popularity as a religious piece for spring. The text for the oratorio, based on Genesis from the Bible and Milton's "Paradise Lost," describes the earth and its beauties.

The music department feels that this may be the first performance of "The Creation" to be given in Joplin.

Oliver Sovereign is director for the Chorale and the soloists. William Elliott will conduct the orchestra. Soloists for the performance will be Judy Ardrey and Karen Porpoth, sopranos; Stan Graham, bass; and Jere Marcum and Joe Napier, tenors.

Admission to the production will be \$1 at the door. MSC students will be admitted on presentation of activity cards.

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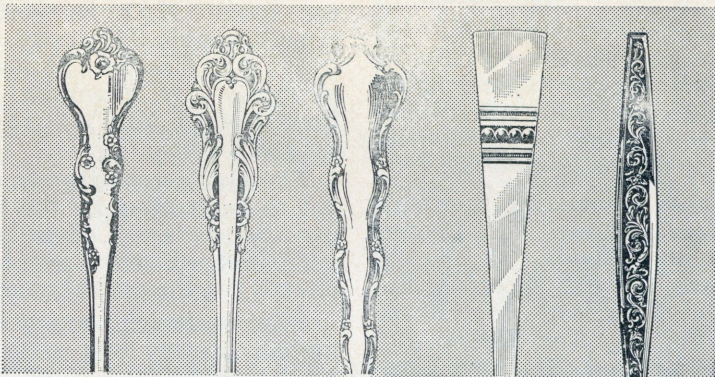
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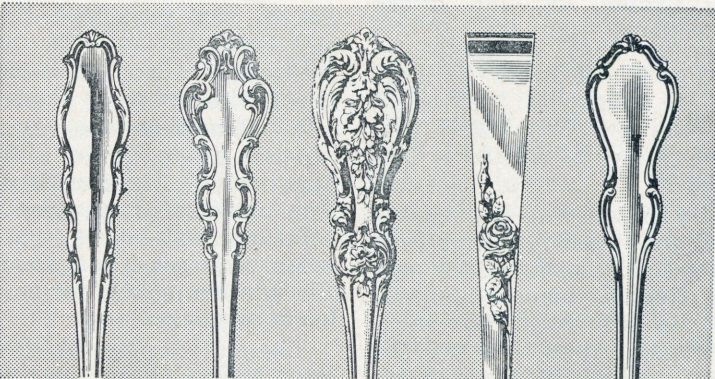
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P. E. Department Visited By Gymnast Jay Ashmore

Jamile (Jay) Ashmore, a well-known figure in the world of gymnastics, recently visited the Missouri Southern College physical education department.

Physical education majors and teachers representing Neosho, Carthage, Webb City, Carl Junction and Joplin witnessed demonstrations by Ashmore, with concentration on the proper presentation of gymnastics to pupils of elementary and secondary school age.

Ashmore has agreed to return to MSC this September for a similar presentation.

Ashmore has had many years of experience as a competitor and coach in the field of gymnastics, and the witnesses of the presentation benefited greatly from his appearance here.

Ashmore's credentials speak for themselves. He was named to the All-American gymnastic team in 1956, 1959 and 1961. While attending Florida State University, he captured

the National Collegiate Athletic Association free exercise championship.

After graduation from Florida State, Ashmore worked under Tom Maloney as assistant gymnastic coach at the United States Military Academy in West Point, New York.

In 1959 he won the National Amateur Athletic Union free exercise and ring championships. As a member of the 1959 and 1963 Pan American gymnastic teams, he captured the still rings championship in each meet, earning a gold medal for each performance.

In addition, Ashmore was a representative of the United States Treasury Department and toured the Middle East, Mexico and Bermuda.

After retiring from competition, Jay served as an assistant coach at the University of Illinois and as head coach at the University of Texas. During these years, he was a consultant for the American Athletic Equipment Company in the midwest and southwest.

Ashmore currently is located permanently in the southwest as district sales manager and consultant for the company. One of his primary responsibilities is to promote the sport of gymnastics at all levels from elementary school through college. His stop at Missouri Southern was only one of many on his busy promotion schedule.

Persons attending the demonstration were very pleased with Ashmore and his field. It is hoped that this will serve as the basis for gymnastics programs at Missouri Southern.

Lion Golfers Entertain OMA in Practice Event

Scott Everett and Bill Harris each shot 79s last week as Missouri Southern and Oklahoma Military Academy of Claremore, Oklahoma, met in a practice golf match at Briarbrook Golf and Country Club in Carl Junction.

Everett fired a 39-40 over the par 72 course, while Harris shot a 38-41 to share top honors for Doug Landrith's Southern squad. Golfers toured the front nine twice during the practice match.

Larry Kuhns of OMA led all scorers in the event with a four-over-par 76, scoring 38 on each nine holes. Allen Jenkins was second for the visiting squad with a 39-40—79.

Other scores for Southern golfers included Tom Laster, 90; Bert Davis, 94; Frank Jacobs, 83; Pat Wozniak, 91; Dave Tourtelot, 80; Bruce Morlan, 90; Ken Bishop, 81; Hoot Lawson, 83; Steve Carlson, 99; Mark Eastman, 86; Ken Prater, 88, and Bruce Thornberry, 100.

Trailing Kuhns and Jenkins on the OMA list were Eric Mueller, 81; Ron Watts, 86; Gary Faine, 89, and Eric Masters, 99.

The match was a preparation event for Southern's first official golf outing of the season. Regular-season competition is scheduled to begin Thursday, April 3, when the Lions invade Pittsburg, Kansas, for a triangular match with Kansas State College of Pittsburg and Washburn University of Topeka.

The first home match for the Lions will be held Saturday, April 5, at Briarbrook. Southern will entertain Drury College of Springfield, Oral Roberts University of Tulsa and Kansas State College of Pittsburg in that quadrangular meet.

Letterman's Club Planned at MSC

Under the direction of sponsor coach Norris Kelley, approximately 25 varsity athletes at Missouri Southern currently are planning the formation of MSC's first letterman's club.

The club's constitution has yet to be ratified by the Student Senate and College officials, but officers have been elected for the organization.

John Oestreich, varsity basketball player, will serve as president of the club, with Al Potter, varsity football player, named vice president. Secretary-treasurer will be Glenn Wills, with Courtney Sanders to serve as sergeant at arms.

As of now, the main concern of the group is to achieve approval of its constitution. The club's first project will be of a money-making nature, with the purpose being to purchase letter jackets for varsity letter winners.

The club is open to all varsity lettermen at Missouri Southern. Interested, qualified athletes may get further information from president John Oestreich.

Spring Sports

It's almost time for the start of spring sports at Missouri Southern College. The track, tennis and golf seasons are scheduled to get underway shortly.

It seems useless to ask, but why don't some of the students go out and witness spring sports? We had poor turnouts for football and basketball games, so it seems an impossible order to fill to ask our student body to attend spring sports.

Some fine athletes are included on the track, golf and tennis squads at this institution of learning. And these three sports have a great distinction from football and basketball — they are individual sports.

Whereas football and basketball have as their basis for success the factor of teamwork, track, tennis and golf are based on the performance of the individual. The individual athlete pits his strength, speed, agility and ability against other individuals.

Some students say, "Spring sports? They are dull and boring and they don't mean anything." Why, then, do we even have these spring sports? Surely the participants must see some purpose in conducting the activity.

During our crusade against the lack of student support for MSC's football and basketball games, some members of the student body sent us a letter which read, in effect, "I don't have time for it. I have too much studying to do. If you want to tell my instructors to lighten up on the homework. I'll be glad to attend sports functions."

This student doesn't seem to realize one of the prime purposes of college life. College life is supposed to teach the student to budget his time. If a student spends all his time studying, his health goes to pot. That's one of the purposes of sports programs in colleges — to provide a time and place for the student to relax.

So, if it's for no other reason than to stay in (or get into) good health, why not attend spring sports events? In your hearts, you know it's right. — J. M.



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